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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/661,292 | 09/13/2000 | Koshio Kuwakino | 0879-0275P | 7762 |

7590 02/26/2002
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EXAMINER

HARRINGTON, ALICIA M

ART UNIT PAPER NUMBER

2873

DATE MAILED: 02/26/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/661,292

Applicant(s)

KUWAKINO, KOSHIO

Examiner

Alicia M Harrington

Art Unit

2873

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A. SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 September 1301.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 9/13/00 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 5.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

DETAILED ACTION

Specification

The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Katsuragawa (US

5,731,920).

Regarding claim 1, Katsuragawa discloses in figure 1, a lens drive device (1) to be detachably mounted (connector 5) to a lens device (2) body comprising a storage device (14; see figure 2) which store information prescribing the braking characteristic (lens stop) of a moving object (iris/lens stop) driven by the lens drive device (see col. 9, lines 5-65 and col. 12, lines 50-67); an input device (4; figure 1) which inputs a signal for changing the braking characteristic (via communication interface 7); and a braking characteristic setting device which changes settings of the braking characteristic according to the signal received from the input device (see figure 2).

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Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Katsuragawa, as applied above in claim 1.

Regarding claim 2, Katsuragawa discloses a camera system with detachable lens.

However, Katsuragawa fails to specifically disclose a display. Although, a camera (film or video) is notoriously well known in the art to contain a display for display image data as well as other camera information, such as exposure information, and the Examiner takes official notice to this fact. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to display braking characteristics (iris data) on a display, since it is known in the art to display exposure data and such information is pertinent the user artistic imaging expression (i.e. Creating effects of shadows in the image, darkening of foreground or background))- increase versatility in the use of the camera.

Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Katsuragawa, applied above in claim 1, further in view of Miyano et al. (US 5,859,733).

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Regarding claim 3, Katsuragawa discloses a camera system with detachable lens. However, Katsuragawa fails to specifically disclose a display. Although, it is well known in the art to for lens to comprise a portion that displays information, as taught by Miyano et al.

In the same field of endeavor, Miyano discloses a lens frame that displays object distance and lens focus information (see abstract; col. 6, lines 38-49 and col. 7, lines 29-51; col. 9, 60-66 and col. 10, lines 1-9; see figures 1, 5 and 12). Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Katsuragawa lens barrel to include a display, as taught by Miyano, as such provides an indication of information related to the lens in a simple structure, as taught by Miyano. However, Katsuragawa and Miyano fail to specifically disclose displaying braking characteristics (iris data) on a display. Although, a camera (film or video) is notoriously well known in the art to contain a display for displaying

several types of information, such as exposure information, and the Examiner takes official notice to this fact. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to display braking characteristics (iris data) on a display, since it is known in the art to display exposure data and such information is pertinent the user artistic imaging expression (i.e. Creating effects of shadows in the image, darkening of foreground or background)- increase versatility in the use of the camera.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Kanayama et al (US 6,292,313) discloses a lens drive unit; and

Nakajima et al. (US 4,931,823) discloses a multimode camera.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alicia M Harrington whose telephone number is 703 308 9295. The examiner can normally be reached on Monday - Thursday 9:30-6:00.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Georgia Epps can be reached on 703 308 4883. The fax phone numbers for the organization where this application or proceeding is assigned are 703 308 7724 for regular communications and 703 308 7724 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703 308 0956.

Alicia M Harrington
Examiner
Art Unit 2873

AMH

February 19, 2002


Georgia Epps
Supervisory Patent Examiner
Technology Center 2800